



SEQUENCE LISTING

<110> Sjoeholm, Carsten
Oestergaard, Peter Rahbek
Kluenter, Anne-Marie

<120> Use of Acid-Stable Subtilisin Proteases in Animal Feed

<130> NOVT 100

<140> 09/779,334

<141> 2001-02-08

<150> 7

<170> PatentIn version 3.1

<210> 1

<211> 17

<212> PRT

<213> Acremonium chrysogenum ATCC 48272

<400> 1

Ala Leu Val Thr Gln Asn Gly Ala Pro Trp Gly Leu Gly Thr Ile Ser
1 5 10 15

His Arg Gln Pro Gly Ser Thr Ser Tyr Ile Tyr
20 25

<210> 2

<211> 17

<212> PRT

<213> Bacillus alcalophilus NCIMB 10438

<400> 2

Asn Gln Val Thr Pro Trp Gly Ile Thr Arg Val Gln Ala Pro Thr Ala
1 5 10 15

Trp

<211> 17
 <212> PRT
 <213> Paecilomyces lilacinus CBS 102449

<400> 3

Ala	Tyr	Thr	Gln	Gln	Pro	Gly	Ala	Pro	Trp	Gly	Leu	Gly	Arg	Ile	Ser
1				5					10					15	

His

<210> 4
 <211> 22
 <212> PRT
 <213> Fusarium oxysporum IFO 4471

<400> 4

Ala	Leu	Thr	Thr	Gln	Ser	Gly	Ala	Thr	Trp	Gly	Leu	Gly	Thr	Val	Ser
1				5					10					15	

His Arg Ser Arg Gly Ser
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<210> 5
 <211> 397
 <212> PET
 <213> Bacillus sp. NCIMB 40484

<220>
 <221> SIGNAL
 <222> (1)..(27)
 <223>

<220>
 <221> PEPTIDE
 <222> (118)..(397)
 <223>

<400> 5

Arg Gly Ser Ser Thr Gln Thr Val Ala Val Leu Asp Ser Gly Val Asp
120 125 130

Ile Asp Arg Asp Asn Asn Pro Met Asp Leu Asn Gly His Gly Thr His
 150 155 160 165

Val Ala Gly Thr Val Ala Ala Asp Thr Asn Asn Gly Ile Gly Val Ala
 170 175 180

Gly Met Ala Pro Asp Thr Lys Ile Leu Ala Val Arg Val Leu Asp Ala
 185 190 195

Asn Gly Ser Gly Ser Leu Asp Ser Ile Ala Ser Gly Ile Arg Tyr Ala
 200 205 210

Ala Asp Gln Gly Ala Lys Val Leu Asn Leu Ser Leu Gly Cys Glu Cys
 215 220 225

Asn Ser Thr Thr Leu Lys Ser Ala Val Asp Tyr Ala Trp Asn Lys Gly
 230 235 240 245

Ala Val Val Val Ala Ala Ala Gly Asn Asp Asn Val Ser Arg Thr Phe
 250 255 260

Gln Pro Ala Ser Tyr Pro Asn Ala Ile Ala Val Gly Ala Ile Asp Ser
 265 270 275

Asn Asp Arg Lys Ala Ser Phe Ser Asn Tyr Gly Thr Trp Val Asp Val
 280 285 290

Thr Ala Pro Gly Val Asn Ile Ala Ser Thr Val Pro Asn Asn Gly Tyr
 295 300 305

Ser Tyr Met Ser Gly Thr Ser Met Ala Ser Pro His Val Ala Gly Leu
 310 315 320 325

Thr Phe Ser Glu Ala Ser Arg Asn Leu Asn Ala Asn Asp Leu Lys Thr
50 55 60

Thr Ile Asn Ala Tyr Thr Gln Gln Pro Gly Ala Pro Trp Gly Leu Gly
 35 90 95

Arg Ile Ser His Arg Ser Lys Gly Ser Thr Thr Tyr Glu Tyr Asp Thr
 100 105 110

Ser Gly Gly Ser Gly Thr Cys Ala Tyr Val Ile Asp Thr Gly Val Glu
 115 120 125

Ala Ser His Pro Glu Phe Glu Gly Arg Ala Ser Gln Ile Lys Ser Phe
 130 135 140

Ile Ser Gly Gln Asn Thr Asp Gly Asn Gly His Gly Thr His Cys Ala
 145 150 155 160

Gly Thr Ile Gly Ser Lys Thr Tyr Gly Val Ala Lys Lys Thr Lys Ile
 165 170 175

Tyr Gly Val Lys Val Leu Asp Asn Ser Gly Ser Gly Ser Tyr Ser Gly
 180 185 190

Ile Ile Ser Gly Met Asp Phe Ala Val Gln Asp Ser Lys Ser Arg Ser
 195 200 205

Cys Pro Lys Gly Val Val Ala Asn Met Ser Leu Gly Gly Gly Lys Ala
 210 215 220

Gln Ser Val Asn Asp Gly Ala Ala Ala Met Ile Arg Ala Gly Val Phe
 225 230 235 240

Leu Ala Val Ala Ala Gly Asn Asp Asn Ala Asn Ala Ala Asn Tyr Ser
 245 250 255

Asp Ala Arg Ser Ser Phe Ser Asn Tyr Gly Asn Leu Val Asp Ile Phe
 275 280 285

Ala Pro Gly Ser Asn Ile Leu Ser Thr Trp Ile Gly Gly Thr Thr Asn
 290 295 300

Thr Ile Ser Gly Thr Ser Met Ala Thr Pro His Ile Val Gly Leu Gly
 305 310 315 320

Ala Tyr Leu Ala Gly Leu Glu Gly Phe Pro Gly Ala Gln Ala Leu Cys
 325 330 335

Lys Arg Ile Gln Thr Leu Ser Thr Lys Asn Val Leu Thr Gly Ile Pro
 340 345 350

Ser Gly Thr Val Asn Tyr Leu Ala Phe Asn Gly Asn Pro Ser Gly
 355 360 365

<210> 7
 <211> 269
 <212> PRT
 <213> Bacillus sp. THS-1001

<400> 7

Asn Gln Val Thr Pro Trp Gly Ile Thr Arg Val Gln Ala Pro Thr Ala
 1 5 10 15

Trp Thr Arg Gly Tyr Thr Gly Thr Gly Val Arg Val Ala Val Leu Asp
 20 25 30

Thr Gly Ile Ser Thr His Pro Asp Leu Asn Ile Arg Gly Gly Val Ser
 35 40 45

100 100 100 100 100 100 100 100 100 100 100 100 100 100 100

Phe Gly Ser Gly Leu Val Asn Ala Glu Ala Ala Thr Arg
260 265